

## INTERNATIONAL SEARCH REPORT

 National Application No  
 PCT/US 99/07818

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 H04Q11/04 H04L29/06 H04L12/56 H04L12/64

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04Q H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TEAGARDEN E: "PRIORITIZATION: THE BEST NETWORKING POLICY" DATA COMMUNICATIONS, vol. 23, no. 2, 21 January 1994 (1994-01-21), pages 59-61, XP000418330 ISSN: 0363-6399 paragraph "Getting granular" ---	1, 19, 36
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☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "A" document member of the same patent family

Date of the actual completion of the international search

27 August 1999

Date of mailing of the international search report

10/09/1999

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>MOHAMMAD PEYRAVIAN: "PROVIDING DIFFERENT LEVELS OF NETWORK AVAILABILITY IN HIGH-SPEED NETWORKS"            PROCEEDINGS OF THE GLOBAL TELECOMMUNICATIONS CONFERENCE (GLOBECOM), SAN FRANCISCO, NOV. 28 - DEC. 2, 1994, vol. 2, 28 November 1994 (1994-11-28), pages 941-945, XP000488676            INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS ISBN: 0-7803-1821-8            abstract            ----</p>	1,19,36
A	<p>SRIRAM K: "METHODOLOGIES FOR BANDWIDTH ALLOCATION, TRANSMISSION SCHEDULING, AND CONGESTION AVOIDANCE IN BROADBAND ATM NETWORKS"            COMPUTER NETWORKS AND ISDN SYSTEMS, vol. 26, no. 1,            1 September 1993 (1993-09-01), pages 43-59, XP000390600            ISSN: 0169-7552            paragraph '0003!            ----</p>	1-54
A	<p>MEHRA A ET AL: "STRUCTURING COMMUNICATION SOFTWARE FOR QUALITY-OF-SERVICE GUARANTEES"            IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol. 23, no. 10,            1 October 1997 (1997-10-01), pages 616-634, XP000728457            ISSN: 0098-5589            paragraph '0002! - paragraph '0003!            ----</p>	53,54
A	<p>CIDON I ET AL: "CONNECTION ESTABLISHMENT IN HIGH-SPEED NETWORK"            IEEE / ACM TRANSACTIONS ON NETWORKING, vol. 1, no. 4, 1 August 1993 (1993-08-01), pages 469-481, XP000415370            ISSN: 1063-6692            -----</p>	1,19,36, 53,54